Dkt. 53801/JPW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Nika Adham, et al.

Serial No.: 09/116,676 Examiner: G. Draper

Filed: July 16, 1998 Group Art Unit: 1647

For: DNA ENCODING A HUMAN OB RECEPTOR (OB-RE) AND USES THEREOF

1185 Avenue of the Americas
New York, New York 10036

Assistant Commissioner for Patents
Washington, D.C. 20231

SIR:

DECLARATION OF NIKA ADHAM, BETH BOROWSKY, NIGEL LEVENS, AND RADEK C. SKODA UNDER 37 C.F.R. §1.131

We, Nika Adham, Beth Borowsky, Nigel Levens, and Radek C. Skoda, hereby declare as follows:

1. We conceived of the invention claimed in the above-identified patent application, i.e., a process for determining whether a chemical compound specifically binds to a soluble polypeptide with specific properties as recited in claim 224 as amended in the Amendment filed concurrently with the filing of the Declaration (the "Binding Assay").

2. Prior to December 31, 1996, a Binding Assay was performed by Noel Boyle under the direction and supervision of coinventor Nika Adham in the United States at the laboratories of Synaptic Pharmaceutical Corporation, an assignee of record of the subject application. Copies of pages 189 and 190 of Noel Boyle's notebook number 11914 and pages 2-7 of Noel Boyle's notebook number 11915 detailing the performance of such a Binding Assay for determining whether leptin specifically binds to human Ob-Re, a soluble polypeptide as recited in claim 224 are attached hereto as **Exhibit A**. Although the dates have been redacted from these

notebook pages, all dates ar prior to December 31, 1996. Thus, at least one embodiment of the invention claimed was reduced to practice in the United States prior to December 31, 1996.

3. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that any such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1/29/01
Date

Nika Adham
Nika Adham

Date

Beth Borowsky

Date

Nigel Levens

Date

Radek C. Skoda

From Page No.__

(^{125}I) leptin – 0.1nM (F) 100,000 cpm/2 ml

Drug plate

Non-specific 1×10^{-6} M (B). cold leptin.

MAKE 8ml (^{125}I)leptin

58.9 uCi/0.1ml 1840 Ci/mmole

$$\frac{589\,\mu Ci/1ml \times 287}{1.840 \times 10^{9}\,\mu Ci/mmole} = \frac{169}{1.840 \times 10^{9}} = 9.19 \times 10^{-8}\ \frac{mmole}{ml}$$

$$9.19 \times 10^{-8}\ \frac{mmole}{ml} \cdot V = 1 \times 10^{-9}\ \frac{mmole}{ml} \cdot 8ml$$

V = 87 ml

Witnessed & Understood by me, Date Invented by Date

Recorded by

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TITLE Leptin Via Scintillation Proximity Assay Project M

From Page No.

10:54

Protocol #:13

Count Time(minutes):	1.00
Assay Type:	CPM
Background Subtract:	IPA Bkg
Outlier:	5.0 FLAG
Screening:	OFF
	Window A
Nuclide:	I-125
Half Life(hours):	0.00
Multiplier:	1.0000
%CV Flag Limit:	0.00

Cust Leptin

WARNING! BACKGROUND DAT

S#	A:CPM	A:%ERR	B:CPM	B:%ERR
1	123406	0.28	0.0	

3 MISSING TUBE(S)

Table 1. Assay protocol

	Non-specific binding (NSB)	Zero standard (B_0)	Standards	Test	Solvent Control
Buffer	-	50µl	-	-	-
Standards	50µl	-	50µl	-	-
Test Compound	-	-	-	50µl	-
Tracer	50µl	50µl	50µl	50µl	50µl
Test Solvent*	-	-	-	-	50µl
Cell preparation	50µl	50µl	50µl	50µl	50µl
WGA SPA beads	50µl	50µl	50µl	50µl	50µl
	Cap tubes, shake overnight (16-24hr) at room temperature (15-30°C) Leave to settle for 1 hour				
	Count in scintillation counter				

* For example in organic solvents add the relevant solvent

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		corrected by	

TITLE SPA LEPTIN Soluble Membranes

Project No.

Book No.

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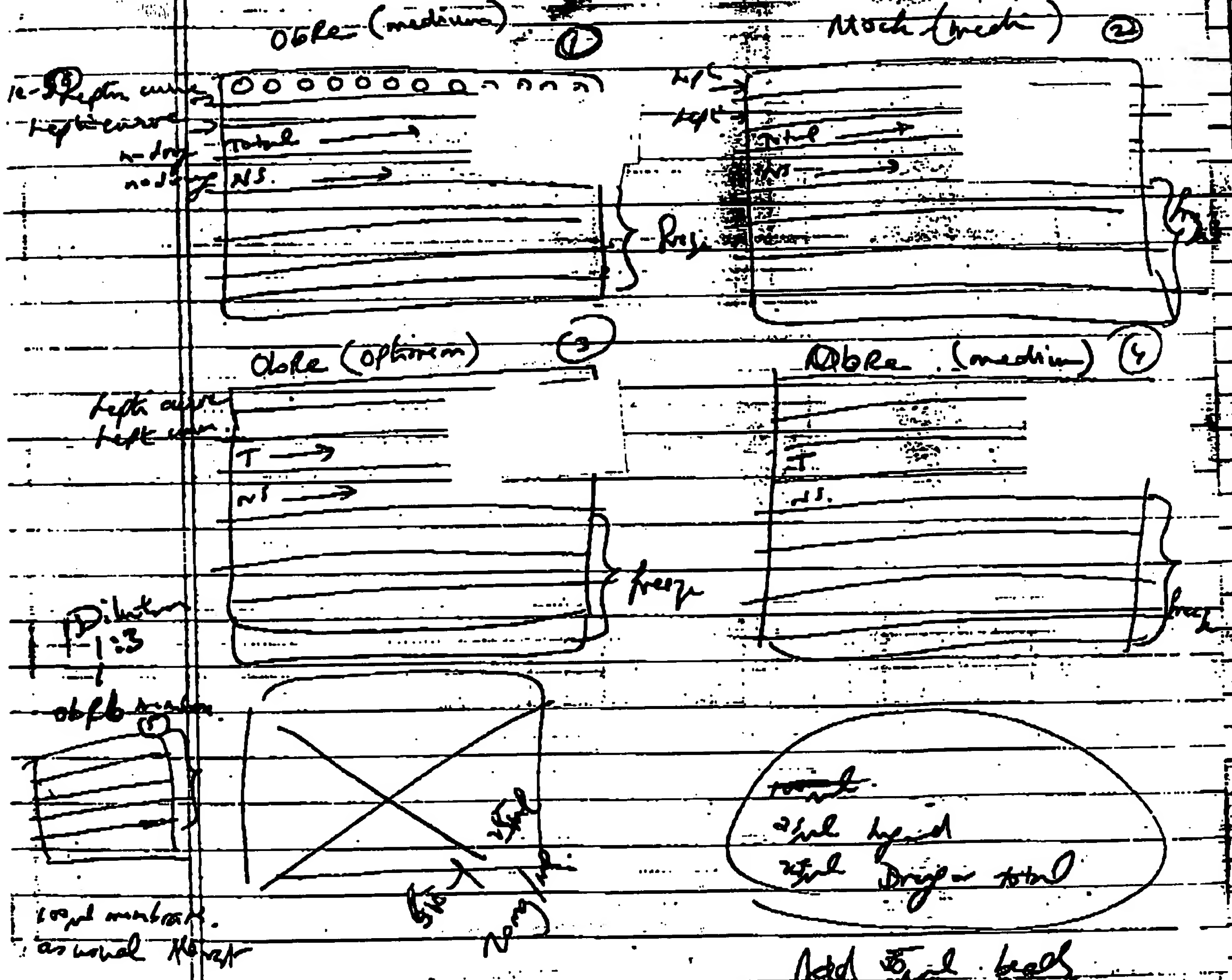
SPA binding on ObRe.

Assay buffer: use leptin binding assay buffer + 1% BSA.



room temp rotor overnight

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Date

Project No.
Book No. TITLE SPA LGPTiD Soluble Membranes.

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SPA

Plate 1 - hoB.Re ++

Plate 2 - hoB.Re + mock

Plate 3 - [Cos 7] hoB.Re, # B025 P91 (optimum medium) 1:2

Plate 4 - [Cos 7] hoB.Re, # B025 P91 (normal medium) 1:2

Plate 5 - [Cos 7] hoB.RB, # B07 P55

Lane = 2,4 (1:3)

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Witnessed & Understood by me, Date

Invented by Date

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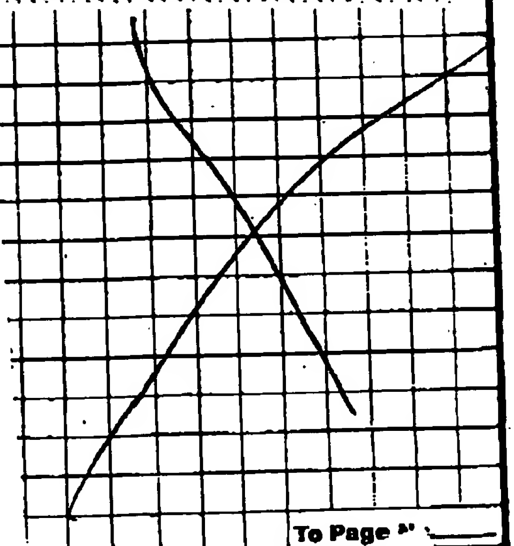
leptin Soluble membranes

Project No.

Book No.

TITLE

SAM NO	POS	TIME MIN	IC#	125I CPM	125I %ERROR	LUMEX %	ELAPSED TIME
[illegible]	**-1	1.00	6.461	2297.06	4.18	0.00	222.19
[illegible]	**-2	1.00	6.173	1735.09	4.81	0.01	223.54
[illegible]	**-3	1.00	6.457	1296.32	5.56	0.01	224.89
[illegible]	**-4	1.00	[illegible]	990.79	[illegible]	0.01	226.27
[illegible]	**-5	1.00	6.511	859.56	5.83	0.01	227.62
[illegible]	**-6	1.00	6.341	825.51	6.97	0.01	228.97
[illegible]	**-7	1.00	6.310	2527.64	3.98	0.01	230.34
[illegible]	**-8	1.00	6.347	2490.60	4.01	0.00	231.69
[illegible]	**-9	1.00	6.477	2621.87	3.91	0.00	233.04
171	**-10	1.00	6.502	2564.79	3.95	0.01	234.42
172	**-11	1.00	6.368	2810.28	3.78	0.00	235.77
[illegible]	**-12	1.00	6.265	2798.28	3.78	0.01	237.12
[illegible]	**-13	1.00	6.484	2657.05	3.88	0.00	238.49
[illegible]	**-14	1.00	6.390	2885.51	3.73	0.00	239.84
[illegible]	**-15	1.00	6.518	2926.62	3.70	0.01	241.19
[illegible]	**-16	1.00	6.521	2830.47	3.76	0.01	242.57
179	**-17	1.00	6.437	2753.35	3.82	0.01	243.92
180	**-18	1.00	6.506	2573.03	3.95	0.01	245.27
181	**-1	1.00	6.389	728.43	7.42	0.01	246.74
182	**-2	1.00	7.048	714.41	7.49	0.02	248.09
[illegible]	**-3	1.00	6.528	740.47	7.36	0.02	249.44
[illegible]	**-4	1.00	6.786	789.58	7.12	0.01	250.82
[illegible]	**-5	1.00	7.000	765.54	7.24	0.02	252.17
[illegible]	**-6	1.00	6.569	774.56	7.19	0.01	253.52
[illegible]	**-7	1.00	6.837	705.43	7.54	0.02	254.89
[illegible]	**-8	1.00	6.982	780.59	7.17	0.02	256.24
189	**-9	1.00	6.584	705.45	7.54	0.02	257.59
190	**-10	1.00	6.770	756.56	7.28	0.01	258.95
191	**-11	1.00	6.566	777.61	7.18	0.03	260.32
192	**-12	1.00	6.929	759.58	7.26	0.02	261.65
193	**-13	1.00	7.145	10135.24	1.99	0.00	263.04
[illegible]	**-14	1.00	7.162	2546.36	3.97	0.01	264.39
[illegible]	**-15	1.00	7.004	9852.86	2.02	0.00	265.74
[illegible]	**-16	1.00	6.960	9620.47	2.04	0.00	267.11
[illegible]	**-17	1.00	7.184	9693.73	2.03	0.00	268.46
198	**-18	1.00	7.138	9917.31	2.01	0.00	269.81
199	**-1	1.00	7.065	9112.69	2.10	0.00	271.29
200	**-2	1.00	7.036	6454.02	2.49	0.00	272.64
201	**-3	1.00	7.113	4094.94	3.13	0.01	273.99
202	**-4	1.00	6.945	3018.62	3.64	0.00	275.36
[illegible]	**-5	1.00	7.512	2743.05	3.82	0.00	276.71
[illegible]	**-6	1.00	6.900	2571.70	3.95	0.00	278.05
[illegible]	**-7	1.00	6.937	9689.57	2.05	0.00	279.44
[illegible]	**-8	1.00	7.075	2111.72	4.36	0.01	280.79
[illegible]	**-9	1.00	7.205	9980.43	2.00	0.00	282.14
208	**-10	1.00	7.198	10414.52	1.96	0.00	283.51
209	**-11	1.00	6.945	9862.38	2.02	0.00	284.86
210	**-12	1.00	6.996	9835.42	2.02	0.00	286.21
211	**-13	1.00	7.020	9442.63	2.06	0.00	287.59
[illegible]	**-14	1.00	7.087	6677.37	2.45	0.00	288.94
[illegible]	**-15	1.00	7.195	3916.06	3.20	0.00	290.29
[illegible]	**-16	1.00	7.005	2781.46	3.80	0.00	291.65
[illegible]	**-17	1.00	7.170	2736.39	3.83	0.00	293.01
[illegible]	**-18	1.00	7.380	2782.52	3.80	0.00	294.36
217	**-1	1.00	7.183	10229.11	1.98	0.00	295.84
218	**-2	1.00	7.209	9885.40	2.01	0.00	297.17
219	**-3	1.00	7.344	10359.64	1.97	0.00	298.54
[illegible]	**-4	1.00	[illegible]	10335.69	1.97	0.00	299.91
221	**-5	1.00	7.241	10207.50	1.98	0.00	301.28
222	**-6	1.00	7.183	9797.62	2.02	0.00	302.62
223	**-7	1.00	7.349	9964.13	2.01	0.00	303.99
224	**-8	1.00	7.116	9987.29	2.00	0.00	305.34
225	**-9	1.00	7.261	9665.62	2.04	0.00	306.69
226	**-10	1.00	7.335	9876.24	2.01	0.00	308.08
227	**-11	1.00	7.131	2076.12	4.39	0.01	309.42
228	**-12	1.00	7.286	2184.41	4.28	0.01	310.77
229	**-13	1.00	7.278	2069.15	4.40	0.00	312.14
230	**-14	1.00	7.171	2252.63	4.22	0.01	313.49
231	**-15	1.00	7.365	2146.38	4.32	0.01	314.84
232	**-16	1.00	7.179	2165.46	4.30	0.01	316.22
233	**-17	1.00	7.420	2214.60	4.26	0.01	317.57
234	**-18	1.00	7.190	2334.93	4.14	0.01	318.92
235	**-1	1.00	7.095	2490.36	4.01	0.01	320.39
236	**-2	1.00	7.028	2316.94	4.16	0.01	321.74



To Page

Date

Recorded by Neil J. B.

Project No. ____ Leptin soluble membranes

SAM NO	POS	TIME MIN	IC#	125I CPM	%ERROR	LUMEX %	ELAPSED TIME	
105	**-15	1.00	6.749	1720.96	4.82	0.01	142.99	
106	**-16	1.00	6.994	1274.46	5.61	0.02	144.36	
107	**-17	1.00	7.078	1015.17	6.29	0.01	145.70	
108	**-18	1.00	6.841	989.16	6.36	0.01	147.05	
109	**-1	1.00	6.536	3233.82 T	3.52	0.00	148.54	Optine alone
110	**-2	1.00	6.808	862.03 M	6.82	0.02	149.89	
111	**-3	1.00	6.791	4667.62	2.93	0.00	151.24	
112	**-4	1.00	6.839	3698.49	3.29	0.00	152.61	
113	**-5	1.00	6.664	4233.19	3.08	0.00	153.96	
114	**-6	1.00	6.871	3384.18	3.44	0.00	155.31	
115	**-7	1.00	6.886	3795.73	3.25	0.00	156.69	
116	**-8	1.00	7.171	2439.07	4.05	0.00	158.04	
117	**-9	1.00	7.104	1767.24	4.76	0.01	159.39	
118	**-10	1.00	6.970	1076.38	6.10	0.01	160.76	
119	**-11	1.00	7.187	864.11	6.81	0.01	162.10	
120	**-12	1.00	6.686	984.28	6.38	0.02	163.46	
121	**-13	1.00	6.759	5354.02	2.74	0.00	164.84	
122	**-14	1.00	6.855	4320.72	3.04	0.00	166.19	
123	**-15	1.00	6.895	3913.22	3.20	0.00	167.54	
124	**-16	1.00	6.852	4462.00	3.00	0.00	168.91	
125	**-17	1.00	6.848	4448.03	3.00	0.00	170.26	T= 4786
126	**-18	1.00	6.895	4898.69	2.86	0.00	171.61	
127	**-1	1.00	6.836	5364.39	2.73	0.00	173.09	
128	**-2	1.00	7.120	5314.38	2.75	0.00	174.44	
129	**-3	1.00	6.866	4718.60	2.91	0.00	175.79	
130	**-4	1.00	6.750	4763.72	2.90	0.00	177.16	
131	**-5	1.00	6.787	4475.36	2.99	0.00	178.51	
132	**-6	1.00	6.598	5404.74	2.72	0.00	179.86	
133	**-7	1.00	7.420	963.39	6.45	0.01	181.24	
134	**-8	1.00	7.475	847.23	6.88	0.02	182.59	
135	**-9	1.00	7.183	865.27	6.80	0.02	183.94	
136	**-10	1.00	7.585	809.19 M	7.04	0.02	185.30	M= 881
137	**-11	1.00	7.372	835.24	6.93	0.02	186.65	
138	**-12	1.00	7.245	905.36	6.65	0.02	188.01	
139	**-13	1.00	7.717	829.25	6.95	0.01	189.39	
140	**-14	1.00	7.334	823.25	6.98	0.01	190.74	
141	**-15	1.00	7.186	878.34	6.75	0.01	192.09	
142	**-16	1.00	7.266	807.24	7.04	0.01	193.45	
143	**-17	1.00	7.436	993.54	6.35	0.01	194.80	
144	**-18	1.00	6.908	1018.59	6.27	0.01	196.15	
145	**-1	1.00	6.312	2363.72 T	4.12	0.00	197.64	Repeat med
146	**-2	1.00	6.683	803.27 M	7.06	0.01	198.99	Optine
147	**-3	1.00	6.538	2331.72	4.15	0.01	200.34	
148	**-4	1.00	6.341	2644.25	3.89	0.00	201.70	
149	**-5	1.00	6.488	2583.18	3.94	0.00	203.06	
150	**-6	1.00	6.486	2725.44	3.83	0.01	204.41	Lept
151	**-7	1.00	6.632	2159.54	4.31	0.01	205.79	
152	**-8	1.00	6.725	1890.12	4.60	0.01	207.14	
153	**-9	1.00	6.934	1441.39	5.27	0.01	208.49	
154	**-10	1.00	6.915	949.59	6.50	0.01	209.85	
155	**-11	1.00	6.699	804.35	7.06	0.02	211.20	
156	**-12	1.00	6.557	774.31	7.18	0.01	212.55	
157	**-13	1.00	6.619	2376.05 T	4.11	0.01	213.94	Repeat med
158	**-14	1.00	6.603	796.37 M	7.09	0.01	215.29	Optine
159	**-15	1.00	6.418	2617.52	3.91	0.00	216.64	
160	**-16	1.00	6.540	2429.22	4.06	0.00	218.00	
161	**-17	1.00	6.346	2521.41	3.99	0.00	219.36	
162	**-18	1.00	6.273	2504.40	4.00	0.01	220.71	Lept

Witnessed by ____ Verified by ____

Leptin soluble membranes

TITLE-

From P.

SAM NO	POS	TIME MIN	IC#	125I CPM	%ERROR	LUMEX %	ELAPSED TIME	
47	**-11	1.00	5.951	790.40	7.12	0.02	63.90	
48	**-12	1.00	5.513	696.36	7.58	0.01	65.25	
49	**-13	1.00	5.759	456.241	9.37	0.01	66.64	Neck
50	**-14	1.00	6.252	848.46 M	6.87	0.01	67.99	
51	**-15	1.00	5.932	523.29	8.75	0.02	69.34	
52	**-16	1.00	6.143	551.31	8.52	0.02	70.70	Lept
53	**-17	1.00	5.821	517.30	8.80	0.02	72.05	
54	**-18	1.00	5.782	542.32	8.59	0.02	73.40	
55	**-1	1.00	6.896	577.34	8.33	0.01	74.89	
56	**-2	1.00	6.307	428.26	9.67	0.03	76.24	
57	**-3	1.00	5.909	533.33	8.66	0.03	77.59	
58	**-4	1.00	5.996	493.31	9.01	0.03	78.95	
59	**-5	1.00	6.075	521.33	8.76	0.02	80.30	
60	**-6	1.00	5.425	345.22	10.77	0.05	81.65	
61	**-7	1.00	5.346	684.451	7.65	0.02	83.04	Neck
62	**-8	1.00	6.001	757.51 M	7.27	0.02	84.39	Lept
63	**-9	1.00	5.880	755.51	7.28	0.03	85.72	
64	**-10	1.00	5.927	788.55	7.12	0.01	87.10	
65	**-11	1.00	5.825	901.63	6.66	0.01	88.45	
66	**-12	1.00	5.973	797.57	7.08	0.02	89.81	
67	**-13	1.00	6.264	807.58	7.04	0.02	91.19	
68	**-14	1.00	6.368	765.56	7.23	0.01	92.54	
69	**-15	1.00	6.138	801.60	7.07	0.01	93.89	
70	**-16	1.00	6.385	766.58	7.23	0.02	95.25	
71	**-17	1.00	6.255	787.60	7.13	0.01	96.60	
72	**-18	1.00	5.925	830.65	6.94	0.01	97.95	
73	**-1	1.00	6.061	732.58	7.39	0.02	99.42	
74	**-2	1.00	5.934	738.59	7.36	0.01	100.77	
75	**-3	1.00	5.994	703.57	7.54	0.02	102.12	
76	**-4	1.00	5.710	657.54	7.80	0.02	103.50	
77	**-5	1.00	6.291	503.42	8.92	0.02	104.85	
78	**-6	1.00	6.667	456.39	9.37	0.03	106.20	Fab50
79	**-7	1.00	6.552	466.40	9.26	0.02	107.57	70
80	**-8	1.00	6.639	494.43	9.00	0.02	108.92	
81	**-9	1.00	6.056	860.75	6.82	0.01	110.27	
82	**-10	1.00	5.902	726.65	7.42	0.01	111.65	
83	**-11	1.00	6.462	808.73	7.04	0.02	113.00	
84	**-12	1.00	6.495	644.59	7.88	0.02	114.35	
85	**-13	1.00	6.222	771.71	7.20	0.02	115.72	
86	**-14	1.00	6.174	739.69	7.36	0.01	117.07	
87	**-15	1.00	6.219	644.61	7.88	0.02	118.42	
88	**-16	1.00	6.132	540.52	8.61	0.01	119.80	M=666.
89	**-17	1.00	6.709	394.38	10.08	0.02	121.15	
90	**-18	1.00	6.737	545.53	8.57	0.02	122.50	
91	**-1	1.00	6.458	624.62	8.01	0.01	123.97	
92	**-2	1.00	6.216	568.57	8.39	0.02	125.32	
93	**-3	1.00	6.198	728.73 M	7.41	0.01	126.67	
94	**-4	1.00	6.151	763.78	7.24	0.01	128.05	
95	**-5	1.00	6.245	883.91	6.73	0.01	129.40	
96	**-6	1.00	6.383	787.82	7.13	0.01	130.75	
97	**-7	1.00	6.123	5482.76	2.70	0.00	132.12	optimum 06Re
98	**-8	1.00	6.848	916.97 M	6.61	0.01	133.47	Lept 1e-4
99	**-9	1.00	6.422	5008.37	2.83	0.00	134.82	
100	**-10	1.00	6.311	4978.39	2.84	0.00	136.21	
101	**-11	1.00	6.532	4710.15	2.92	0.00	137.56	
102	**-12	1.00	6.668	4465.94	2.99	0.00	138.91	
103	**-13	1.00	6.867	3962.42	3.18	0.00	140.27	
104	**-14	1.00	6.909	3948.32	3.69	0.00	141.62	

3

Witne

Recorded by

Project No.________
2 Book No.________ TITLE Leptin Soluble membranes

D: 125. I

From Page USER: 3

PRESET TIME :	1.00	COMMENT:		
DATA CALC :	CPM	H# : NO	SAMPLE REPEATS : 1	PRINTER
COUNT BLANK :	NO	IC# : YES	REPLICATES : 1	RS232
TWO PHASE :	NO	AQC : NO	CYCLE REPEATS : 1	
SCINTILLATOR :	LIQUID	LUMEX : NO	LOW SAMPLE REJ : 0	
LOW LEVEL :	NO	HALF LIFE CORRECTION DATE :		none

ISOTOPE 1: 125I %ERROR: 2.00 FACTOR: 1.000000 BKG. SUB: --

SAM NO	POS	TIME MIN	IC#	125I CPM	125I %ERROR	LUMEX %	ELAPSED TIME	
1	**-1	1.00	4.765	2278.01	4.19	0.01	1.25	Obke Lept -4
2	**-2	1.00	5.337	762.01	7.25	0.02	2.62	
3	**-3	1.00	4.913	2074.06	4.39	0.01	3.97	
4	**-4	1.00	4.881	1816.07	4.69	0.01	5.34	
5	**-5	1.00	4.830	1701.08	4.85	0.01	6.67	
6	**-6	1.00	4.737	2115.13	4.35	0.01	8.02	
7	**-7	1.00	4.802	1761.13	4.77	0.01	9.39	
8	**-8	1.00	5.166	1416.12	5.31	0.01	10.74	
9	**-9	1.00	5.067	1375.13	5.39	0.01	12.09	
10	**-10	1.00	5.319	823.09	6.97	0.02	13.45	
11	**-11	1.00	5.427	749.09	7.31	0.03	14.81	
12	**-12	1.00	5.166	661.08	7.78	0.03	16.15	
13	**-13	1.00	4.810	2520.34	3.98	0.00	17.52	Obke Lept-4
14	**-14	1.00	5.642	688.10	7.62	0.02	18.87	
15	**-15	1.00	4.991	1902.30	4.59	0.01	20.22	
16	**-16	1.00	4.869	1859.31	4.64	0.01	21.60	
17	**-17	1.00	5.028	1882.34	4.61	0.01	22.96	
18	**-18	1.00	4.901	1900.36	4.59	0.01	24.30	
19	**-1	1.00	4.927	2042.41	4.43	0.01	25.77	
20	**-2	1.00	5.037	1492.32	5.18	0.01	27.12	
21	**-3	1.00	5.180	1179.26	5.82	0.01	28.47	
22	**-4	1.00	5.407	930.22	6.56	0.02	29.85	
23	**-5	1.00	5.645	777.19	7.17	0.03	31.20	
24	**-6	1.00	5.477	833.21	6.93	0.01	32.55	
25	**-7	1.00	4.896	2788.74	3.79	0.01	33.92	
26	**-8	1.00	5.175	2653.74	3.88	0.01	35.27	
27	**-9	1.00	4.842	2310.67	4.16	0.01	36.62	
28	**-10	1.00	4.901	2386.72	4.09	0.00	38.01	
29	**-11	1.00	4.972	2022.63	4.45	0.01	39.35	
30	**-12	1.00	4.852	1964.63	4.51	0.01	40.71	
31	**-13	1.00	5.096	2824.94	3.76	0.01	42.07	T = 2230
32	**-14	1.00	5.028	2105.72	4.36	0.01	43.42	
33	**-15	1.00	5.034	1995.71	4.48	0.01	44.77	
34	**-16	1.00	5.152	1807.66	4.70	0.01	46.16	
35	**-17	1.00	5.238	1874.70	4.62	0.01	47.51	
36	**-18	1.00	4.993	2026.78	4.44	0.01	48.85	
37	**-1	1.00	5.635	787.31	7.13	0.02	50.32	
38	**-2	1.00	5.818	789.32	7.12	0.01	51.67	
39	**-3	1.00	5.614	682.29	7.66	0.02	53.02	
40	**-4	1.00	5.581	806.35	7.04	0.02	54.40	
41	**-5	1.00	5.520	660.29	7.78	0.02	55.75	
42	**-6	1.00	5.739	718.32	7.46	0.02	57.10	
43	**-7	1.00	5.784	724.34	7.43	0.01	58.47	
44	**-8	1.00	5.552	725.34	7.43	0.02	59.82	
45	**-9	1.00	5.613	725.35	7.43	0.02	61.17	
46	**-10	1.00	5.828	587.29	8.25	0.02	62.55	NS

Witnessed

Recorded by

No.______